Attorney Docket No.: CCP 2-046



Serial No. :

10/706,412

Filed:

. 10//00,41

.

November 12, 2003

Christian C. Petersen

For: :

Multiphase Motors with Single Point Sensing Based

Commutation

TC/AU

Attorney Docket No.

In re Application of

CCP 2-046

2834

HONORABLE COMMISSIONER FOR PATENTS MAIL STOP PATENT APPLICATION P.O. BOX 1450 ALEXANDRIA, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is filed in conformity with 37 C.F.R. §§ 1.56, 1.97 and 1.98. Accordingly, copies of the art cited herein are provided:

Document	Date	Name
U.S. Patent No. 6,232,681	05-15-2001	Johnston, et al.
U.S. Patent No. 5,536,985	07-16-1996	Ward, et al.
U.S. Patent No. 5,519,270	05-21-1996	Yamada, et al.
U.S. Patent No. 5,105,115	04-14-1992	Shinryo, et al.

REMARKS

The above-listed U.S. Patent Nos. 6,232,681; 5,536,985; and 5,105,115 were first cited in an International Search Report mailed March 19, 2004. A copy of the search report is enclosed. With respect to U.S. Patent No. 5,519,270, the patent was not known to any individual designated in 37 C.F.R.§§ 1.56(c) more than three months prior to the filing of this information disclosure statement.

To the best of Applicant's knowledge, this information disclosure is being made prior to the mailing date of a first office action on the merits. Therefore, no fee should be owed. In the event that a fee is owed, the Commissioner is hereby authorized to charge any fees to deposit account no. 13-4830.

Attorney Docket No.: CCP 2-046

It respectfully is submitted that none of the foregoing art, alone or in combination, shows or proposes the present invention. Accordingly, favorable action on the application respectfully is requested.

Respectfully submitted,

Diane E. Burke Reg. No. 45,725

MUELLER AND SMITH, L.P.A. MUELLER-SMITH BUILDING 7700 Rivers Edge Drive Columbus, Ohio 43235-1355

Tel.: 614-436-0600 Fax: 614-436-0057

email: dburke@muellersmith.com

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited on March 30th, 2004 with the United States Postal Service as first class mail in an envelope addressed to:

MAIL STOP PATENT APPLICATION COMMISSIONER FOR PATENTS P.O. BOX 1450 ALEXANDRIA, VA 22313-1450

				in the second
	Approved for use through 04/30/ ent and Trademark Office; U.S. DEPARTM tion of information unless it displays a valid	U.S. Pate	5. no perso	User the Paperwork Reduction Act of 1995
	10/706,412	Application Number		TDANSMITTAL
	November 12, 2003	Filing Date		TRANSMITTAL
1	Christian C. Petersen	First Named Inventor		FORM
	2834	Art Unit	l filing)	o be used for all correspondence after initial
		Examiner Name		
	CCP 2-046	Attorney Docket Number	4	etal Number of Pages in This Submission
		Attorney Docket Number	L .	tal Number of Pages in This Submission

Fee Transmittal Form Fee Attached Amendment/Reply/Response After Final After Final After Final After Final After Final Extension of Time Request Information Disclosure Statement Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 After Allowance communication to Group to Appeal Communication to Board of Appeals and Interferences Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) Provisional Application Provisional Application Power of Attorney, Revocation Change of Correspondence Address Terminal Disclaimer Request for Refund CD, Number of CD(s) Remarks Form 1449a 4 cited patents			ENCLOSURES (Check all that apply)			
Fee Attached Fee Attached Amendment/Reply/Response After Final Affidavits/declaration(s) Extension of Time Request Express Abandonment Request Information Disclosure Statement Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 Ciching Incomplete Application Drawing(s) Licensing-related Papers Appeal Communication to Board of Appeals and Interferences Appeal Communication to Board of Appeal Source Appeal Communication to Board of Appeal Communication to Appeal Communication to Appeal Communication to Board of Appeal Communication to Appeal			(
Fee Attached		Fee Transmittal Form				
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	X	Amendment/Reply/Response After Final Affidavits/declaration(s) Extension of Time Request Express Abandonment Request Information Disclosure Statement Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts	Licensing-related Papers Petition Petition Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence Address Terminal Disclaimer Request for Refund CD, Number of CD(s) Remarks Of Appeals and Interferences Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) Proprietary Information Status Letter Other Enclosure(s) (please Identify below):			
i didini dite di in i bidini jini dinibi ji di ndeliti	SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT					
Firm or Individual name Mueller and Smith, LPA	or	Mueller and Smith	, LPA			
Signature Win E. Burke						
Date March 30. 2004	Date					
CERTIFICATE OF TRANSMISSION/MAILING						

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. Typed or printed name Jane Keeney Date March 30, 2004

This collection of information is required by 37 CFR 1.5. The information of required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08A (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known Application Number 10/706,412 Filing Date Novmber 12, 2003 First Named Inventor Christian C Petersen Art Unit 2834 Examiner Name

(Use as many sheets as necessary)

Substitute for form 1449/PTO

CCP 2-046 Attorney Docket Number

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		^{US-} 6,232,681	05-15-2001	Johnston, et al.	
		^{US-} 5,536,985	07-16-1996	Ward, et al.	
-		^{US-} 5,519,270	05-21-1996	Yamada, et al.	
		^{US-} 5,105,115	04-14-1992	Shinryo, et al.	
		US-			
		US-	-		
		US-			
		US-		-	
		US-			
		US-			
<u>.</u>		US- ·			
		US-	·		
	†	US-	-		
		US-			
	1	US-	1		""

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ^{3 -} Number ^{4 -} Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	Τ°
	<u> </u>					
	1					

Examiner	Date	
Signature	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Stand of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.